



## Author index

Volume 188 (1996)

- Amiard, J.C. 188, 233  
Amiard-Triquet, C. 188, 233
- Bachelet, G. 188, 233  
Beck, W. 188, 195  
Bogaards, R.H. 188, 233  
Boutron, C.F. 188, 183  
Brown, P.L. 188, 139
- Candelier, J.-P. 188, 183  
Chien, Y.-C. 188, 39  
Chlopecka, A. 188, 253
- Desprez, M. 188, 233  
Dinescu, L.C. 188, 9  
Dinescu, M.C. 188, 9  
Dorcioman, R.D. 188, 9  
Duliu, O.G. 188, 9  
Dushenko, W.T. 188, 29  
Dürker, A. 188, 87  
de Wolf, L. 188, 233
- Eadie, B.J. 188, 15
- Farago, M. 188, 167  
Fauziah, I. 188, 243  
Feldman, C.A. 188, 39  
Fioroni, P. 188, 205  
Fowler, D. 188, 115  
Frapparti, G. 188, 225  
Fugle, R.F. 188, 1
- Grundy, S.L. 188, 29  
Gulson, B.L. 188, 173  
Harrow, M. 188, 127
- Håkansson, K. 188, 87  
Hilton, J. 188, 101  
Holmbom, B. 188, 15  
Hong, S. 188, 183  
Howarth, D. 188, 173  
Hummel, H. 188, 233
- Jamal, T. 188, 243  
Jeffery, H.A. 188, 127  
Jeffree, R.A. 188, 139
- Karlsson, S. 188, 87  
Komosa, A. 188, 59  
Korsch, M.J. 188, 173  
Kudelsky, A.V. 188, 101  
Kuëeera, J. 188, 49  
Kukkonen, J.V.K. 188, 15
- Lansing, M.B. 188, 15  
Ledin, A. 188, 87  
Louwa, R.J. 188, 225  
Lustig, S. 188, 195
- Marchand, J. 188, 233  
Markert, B. 188, 205  
Markich, S.J. 188, 139  
Michalke, B. 188, 195  
Mihailescu, N.Gh. 188, 9  
Mizon, K.J. 188, 173
- Neal, M. 188, 127  
Neal, C. 188, 127
- Oehlmann, J. 188, 205  
Oikari, A. 188, 15  
Ovsiannikova, S.V. 188, 101
- Pietra, R. 188, 49
- Reimer, K.J. 188, 29  
Reynolds, B. 188, 115  
Rieuwerts, J.S. 188, 167  
Rybarczyk, H. 188, 233
- Sabbioni, E. 188, 49  
Sandén, P. 188, 87  
Schramel, P. 188, 195  
Schuiling, R.D. 188, 225  
Sinke, J. 188, 233  
Smith, J.T. 188, 101  
Smith, C.J. 188, 127  
Soutif, M. 188, 183  
Stroben, E. 188, 205  
Sylvand, B. 188, 233
- Temple, P.J. 188, 71  
Thomas, S. 188, 115  
Tung, G. 188, 71
- Vanghelie, I.S. 188, 9  
Vesterberg, O. 188, 49  
Von Schirding, Y.E.R. 188, 1  
van Reeuwijk, L.P. 188, 225
- Weisel, C.P. 188, 39
- Zang, S. 188, 195  
Zauyah, S. 188, 243  
Zevenbergen, C. 188, 225  
Zohn, H.K. 188, 39





## Subject index

### Volume 188 (1996)

**Accumulation;** Histochemical detection; Lead; *Zea mays*; Histology 188, 71

**Accuracy;** Blood and serum vanadium; Urinary vanadium; Normal values; Non-posed persons; Sampling factors; Analytical factors 188, 49

**Amalgam restoration;** Urinary mercury; First morning samples; Excretion rate 188, 39

**Analytical factors;** Blood and serum vanadium; Urinary vanadium; Normal values; Non-posed persons; Sampling factors; Accuracy 188, 49

**Ando soil;** Defluoridation method; Fluoride adsorption; Fluorosis 188, 225

**Arctic background;** Vascular plants; PCBs; Lead; Biological indicators 188, 29

**Atmospheric input;** Chromium; Pollution; Mid-Wales 188, 127

**Bio-indicator;** Free amino acids; *Macoma balthica*; Stress; Copper; Geographic cline 188, 233

**Bioaccumulation;** Bivalve; Freshwater; Kinetics; Radionuclide; Metal 188, 139

**Biological indicators;** Vascular plants; PCBs; Lead; Arctic background 188, 29

**Biomonitoring;** *Ocinebrina aciculata*; Prosobranchia; Imposex; TBT; Pollution; Reproductive failure; Population decline 188, 205

**Bivalve;** Freshwater; Kinetics; Radionuclide; Metal; Bioaccumulation 188, 139

**Blood and serum vanadium;** Urinary vanadium; Normal values; Non-posed persons; Sampling factors; Analytical factors; Accuracy 188, 49

**Calcareous;** Gleysols; Rendzina; Hydromorphic; Sequential extraction; Heavy metals 188, 253

**Carbon isotopes;** Pulp mill effluent; Suspended particles; Sedimentation; Chlorophenols; Nitrogen isotopes; Stable isotopes;  $\delta^{15}$ ;  $\delta C^{13}$  188, 15

**Chernobyl;** Peatbog system; Radiocaesium (137Cs); Pore water; Distribution coefficient (Kd) 188, 101

**Chernobyl;** Plutonium; Soil 188, 59

**Chlorophenols;** Pulp mill effluent; Suspended particles; Sedimentation; Carbon isotopes; Nitrogen isotopes; Stable isotopes;  $\delta^{15}$ ;  $\delta C^{13}$  188, 15

**Chromium;** Pollution; Mid-Wales; Atmospheric input 188, 127

**Colloidal phase;** Hydrochemical parameters; Organic carbon; Seasonal changes; Light Scattering 188, 87

**Contamination;** Mercury; Czech Republic; Mining; Smelting; Topsoil 188, 167

**Copper;** Free amino acids; *Macoma balthica*; Stress; Bio-indicator; Geographic cline 188, 233

**Copper;** Roman Empire; Sung Dynasty; Industrial Revolution; Ice core; Greenland 188, 183

**Core;** Radiocesium diffusion; Vertical profile; Sedimentation rate; Total  $^{137}Cs$  inventory 188, 9

**Czech Republic;** Mercury; Mining; Smelting; Topsoil; Contamination 188, 167

$\delta^{15}$ ; Pulp mill effluent; Suspended particles; Sedimentation; Chlorophenols; Carbon isotopes; Nitrogen isotopes; Stable isotopes;  $\delta C^{13}$  188, 15

$\delta C^{13}$ ; Pulp mill effluent; Suspended particles; Sedimentation;

- Chlorophenols; Carbon isotopes; Nitrogen isotopes; Stable isotopes;  $\delta^{13}\text{C}$  188, 15
- Defluoridation method; Fluoride adsorption; Ando soil; Fluorosis 188, 225
- Distribution coefficient (Kd); Chernobyl; Peatbog system; Radioactinium (137Cs); Pore water 188, 101
- Excretion rate; Urinary mercury; Amalgam restoration; First morning samples 188, 39
- First morning samples; Urinary mercury; Amalgam restoration; Excretion rate 188, 39
- Flocculation; Red gypsum; Waste product; Titanium dioxide; Malaysia 188, 243
- Fluoride adsorption; Defluoridation method; Ando soil; Fluorosis 188, 225
- Fluorosis; Defluoridation method; Fluoride adsorption; Ando soil 188, 225
- Forest canopy; Nitrogen; Sulphur; Wet deposition; Orographic cloud; Moorland vegetation 188, 115
- Free amino acids; Macoma balthica; Stress; Copper; Bio-indicator; Geographic cline 188, 233
- Freshwater; Bivalve; Kinetics; Radionuclide; Metal; Bio-accumulation 188, 139
- Geographic cline; Free amino acids; Macoma balthica; Stress; Copper; Bio-indicator 188, 233
- Gleysols; Calcareous; Rendzina; Hydromorphic; Sequential extraction; Heavy metals 188, 253
- Greenland; Copper; Roman Empire; Sung Dynasty; Industrial Revolution; Ice core 188, 183
- Heavy metals; Calcareous; Gleysols; Rendzina; Hydromorphic; Sequential extraction 188, 253
- Highway-tunnel-dust; ICP-MS; Platinum; Soil; Species transformation 188, 195
- Histochemical detection; Lead; *Zea mays*; Histology; Accumulation 188, 71
- Histology; Histochemical detection; Lead; *Zea mays*; Accumulation 188, 71
- Hydrochemical parameters; Colloidal phase; Organic carbon; Seasonal changes; Light Scattering 188, 87
- Hydromorphic; Calcareous; Gleysols; Rendzina; Sequential extraction; Heavy metals 188, 253
- Ice core; Copper; Roman Empire; Sung Dynasty; Industrial Revolution; Greenland 188, 183
- ICP-MS; Highway-tunnel-dust; Platinum; Soil; Species transformation 188, 195
- Imposex; Ocinebrina aciculata; Prosobranchia; TBT; Pollution; Biomonitoring; Reproductive failure; Population decline 188, 205
- Industrial Revolution; Copper; Roman Empire; Sung Dynasty; Ice core; Greenland 188, 183
- Influencing factors; Urban environmental lead levels; Monitoring 188, 1
- Kinetics; Bivalve; Freshwater; Radionuclide; Metal; Bio-accumulation 188, 139
- Lead; Histochemical detection; *Zea mays*; Histology; Accumulation 188, 71
- Lead; Vascular plants; PCBs; Arctic background; Biological indicators 188, 29
- Light Scattering; Colloidal phase; Hydrochemical parameters; Organic carbon; Seasonal changes 188, 87
- Macoma balthica; Free amino acids; Stress; Copper; Bio-indicator; Geographic cline 188, 233
- Malaysia; Red gypsum; Waste product; Titanium dioxide; Flocculation 188, 243
- Mercury; Czech Republic; Mining; Smelting; Topsoil; Contamination 188, 167
- Metal; Bivalve; Freshwater; Kinetics; Radionuclide; Bio-accumulation 188, 139
- Mid-Wales; Chromium; Pollution; Atmospheric input 188, 127
- Mining; Mercury; Czech Republic; Smelting; Topsoil; Contamination 188, 167
- Monitoring; Urban environmental lead levels; Influencing factors 188, 1
- Moorland vegetation; Nitrogen; Sulphur; Wet deposition; Orographic cloud; Forest canopy 188, 115
- Nitrogen; Sulphur; Wet deposition; Orographic cloud; Moorland vegetation; Forest canopy 188, 115

**Nitrogen isotopes;** Pulp mill effluent; Suspended particles; Sedimentation; Chlorophenols; Carbon isotopes; Stable isotopes;  $\delta^{15}$ ;  $\delta^{13}\text{C}$  188, 15

**Non-posed persons;** Blood and serum vanadium; Urinary vanadium; Normal values; Sampling factors; Analytical factors; Accuracy 188, 49

**Normal values;** Blood and serum vanadium; Urinary vanadium; Non-posed persons; Sampling factors; Analytical factors; Accuracy 188, 49

**Ocenebrina aciculata;** Prosobranchia; Imposex; TBT; Pollution; Biomonitoring; Reproductive failure; Population decline 188, 205

**Organic carbon;** Colloidal phase; Hydrochemical parameters; Seasonal changes; Light Scattering 188, 87

**Orographic cloud;** Nitrogen; Sulphur; Wet deposition; Moorland vegetation; Forest canopy 188, 115

**PCBs;** Vascular plants; Lead; Arctic background; Biological indicators 188, 29

**Peatbog system;** Chernobyl; Radio caesium (137Cs); Pore water; Distribution coefficient (Kd) 188, 101

**Platinum;** Highway-tunnel-dust; ICP-MS; Soil; Species transformation 188, 195

**Plutonium;** Soil; Chernobyl 188, 59

**Pollution;** Chromium; Mid-Wales; Atmospheric input 188, 127

**Pollution;** Ocinebrina aciculata; Prosobranchia; Imposex; TBT; Biomonitoring; Reproductive failure; Population decline 188, 205

**Population decline;** Ocinebrina aciculata; Prosobranchia; Imposex; TBT; Pollution; Biomonitoring; Reproductive failure 188, 205

**Pore water;** Chernobyl; Peatbog system; Radio caesium (137Cs); Distribution coefficient (Kd) 188, 101

**Prosobranchia;** Ocinebrina aciculata; Imposex; TBT; Pollution; Biomonitoring; Reproductive failure; Population decline 188, 205

**Pulp mill effluent;** Suspended particles; Sedimentation; Chlorophenols; Carbon isotopes; Nitrogen isotopes; Stable isotopes;  $\delta^{15}$ ;  $\delta^{13}\text{C}$  188, 15

**Radio caesium (137Cs);** Chernobyl; Peatbog system; Pore water; Distribution coefficient (Kd) 188, 101

**Radio caesium diffusion;** Core; Vertical profile; Sedimentation rate; Total  $^{137}\text{Cs}$  inventory 188, 9

**Radionuclide;** Bivalve; Freshwater; Kinetics; Metal; Bioaccumulation 188, 139

**Red gypsum;** Waste product; Titanium dioxide; Flocculation; Malaysia 188, 243

**Rendzina;** Calcareous; Gleysols; Hydromorphic; Sequential extraction; Heavy metals 188, 253

**Reproductive failure;** Ocinebrina aciculata; Prosobranchia; Imposex; TBT; Pollution; Biomonitoring; Population decline 188, 205

**Roman Empire;** Copper; Sung Dynasty; Industrial Revolution; Ice core; Greenland 188, 183

**Sampling factors;** Blood and serum vanadium; Urinary vanadium; Normal values; Non-posed persons; Analytical factors; Accuracy 188, 49

**Seasonal changes;** Colloidal phase; Hydrochemical parameters; Organic carbon; Light Scattering 188, 87

**Sedimentation;** Pulp mill effluent; Suspended particles; Chlorophenols; Carbon isotopes; Nitrogen isotopes; Stable isotopes;  $\delta^{15}$ ;  $\delta^{13}\text{C}$  188, 15

**Sedimentation rate;** Core; Radio caesium diffusion; Vertical profile; Total  $^{137}\text{Cs}$  inventory 188, 9

**Sequential extraction;** Calcareous; Gleysols; Rendzina; Hydromorphic; Heavy metals 188, 253

**Smelting;** Mercury; Czech Republic; Mining; Topsoil; Contamination 188, 167

**Soil;** Highway-tunnel-dust; ICP-MS; Platinum; Species transformation 188, 195

**Soil;** Plutonium; Chernobyl 188, 59

**Species transformation;** Highway-tunnel-dust; ICP-MS; Platinum; Soil 188, 195

**Stable isotopes;** Pulp mill effluent; Suspended particles; Sedimentation; Chlorophenols; Carbon isotopes; Nitrogen isotopes;  $\delta^{15}$ ;  $\delta^{13}\text{C}$  188, 15

**Stress;** Free amino acids; *Macoma balthica*; Copper; Bio-indicator; Geographic cline 188, 233

**Sulphur;** Nitrogen; Wet deposition; Orographic cloud; Moorland vegetation; Forest canopy 188, 115

- Sung Dynasty; Copper; Roman Empire; Industrial Revolution; Ice core; Greenland 188, 183
- Suspended particles; Pulp mill effluent; Sedimentation; Chlorophenols; Carbo isotopes; Nitrogen isotopes; Stable isotopes;  $\delta^{15}\text{N}$ ,  $\delta\text{C}^{13}$  188, 15
- TBT; *Ocenebrina aciculata*; Prosobranchia; Imposex; Pollution; Biomonitoring; Reproductive failure; Population decline 188, 205
- Titanium dioxide; Red gypsum; Waste product; Flocculation; Malaysia 188, 243
- Topsoil; Mercury; Czech Republic; Mining; Smelting; Contamination 188, 167
- Total  $^{137}\text{Cs}$  inventory; Core; Radiocesium diffusion; Vertical profile; Sedimentation rate 188, 9
- Urban environmental lead levels; Monitoring; Influencing factors 188, 1
- Urinary mercury; Amalgam restoration; First morning samples; Excretion rate 188, 39
- Urinary vanadium; Blood and serum vanadium; Normal values; Non-smoked persons; Sampling factors; Analytical factors; Accuracy 188, 49
- Vascular plants; PCBs; Lead; Arctic background; Biological indicators 188, 29
- Vertical profile; Core; Radiocesium diffusion; Sedimentation rate; Total  $^{137}\text{Cs}$  inventory 188, 9
- Waste product; Red gypsum; Titanium dioxide; Flocculation; Malaysia 188, 243
- Wet deposition; Nitrogen; Sulphur; Orographic cloud; Moorland vegetation; Forest canopy 188, 115
- Zea mays*; Histochemical detection; Lead; Histology; Accumulation 188, 71

